

## System Flammotect 4 × 60 mm

### 8.2 Non-combustible pipes

Pipes must be additionally wrapped on both sides with the fire protection cable bandage DG-CR 0.7 or the fire protection wrap DG-CR 1.5.

DG-CR 0.7 and DG-CR 1.5 are coated on one side and equipped with a protective film. The film must be removed before applying the bandage/wrap with the coated side facing inwards and fastening it with steel wires ( $\varnothing \geq 1.0$ ).

**Design for wall and floor penetration seals**

fastened with steel wires  $\varnothing \geq 1.0$

- DG-CR 0.7 or DG-CR 1.5
- Pipe shell made of mineral fibres (CS)  
min. A2-s1,d0,  
melting point  $\geq 1000$  °C,  
bulk density  $\geq 80$  kg/m<sup>3</sup>
- Lamella mat made of mineral fibres  
min. A2,s1,d0;  
melting point  $\geq 1000$  °C,  
bulk density  $\geq 35$  kg/m<sup>3</sup>

For building element and seal thicknesses see page 5. For design variants see page 9. All specifications in mm

Pipe material	Outer $\varnothing$ [mm]	Pipe wall thickness [mm]	Mineral fibre pipe shell		DG-CR 0.7 / 1.5 Length $L_2$ [mm]	Mineral fibre lamella mat		Fire resistance class
			Insulation length $L_1$ [mm]	Insulation thickness $S_1$ [mm]		Insulation length $L_3$ [mm]	Insulation thickness $S_3$ [mm]	
Steel, stainless steel, cast iron	$\leq 42.4$	2.3–14.2	750	50	500	500	30	EI 240 C/U
	$\leq 88.9$	2.9–14.2	1000	60		500	50	
	$\leq 168.3$	4.0–14.2	1250	70		750		
	$\leq 219.1$	4.5–14.2	1500	80	1000			
	$\leq 323.9$	5.6–14.2	1750	90	1000	1250		